Getting smart with controls

Maximum comfort, minimum energy

Philips stand-alone controls combine energy saving with simplicity. In buildings, energy savings of up to 55% are quite common, but these simple plug & play systems themselves generate savings of up to 30-70% on individual luminaires.

PHILIPS

Stand-alone lighting controls

Enabling smart and sustainable environments

Global warming, climate change, carbon emissions – these words seem to be on everyone's lips. Today, we all know that our energy consumption comes at a price. Commercial, institutional and industrial buildings account for about half of total energy consumption. And up to 35% of the electricity used in an office building, for example, is spent on lighting.

Lighting controls are key to creating lighting solutions that make the maximum difference in terms of cutting energy usage. At the same time, they effectively manage the quality of the light, enhancing people's lives – at the office, in industry, in shops, at school, etc. And the beauty of stand-alone controls is that they do all this in an extremely simple manner – now that's smart!

Wide choice of lighting controls

Lighting controls range from simple switches to advanced integrated systems made up of user interfaces, sensors, controllers, drivers and system software. These solutions make it possible to improve the lighting, appearance and energy efficiency of almost any building.

Stand-alone lighting controls do not require integration in a network. 'Plug and play' and 'plug and configure' solutions work right out of the box and require little or no commissioning to achieve optimal results.

'Plug and program' solutions – usually networked – work in combination with other building management systems to perform a host of functions, but the system always has to be programmed.

Energy efficiency and comfort

One of the primary benefits of lighting controls is their ability to reduce energy consumption – by up to 55%! At the same time, they can improve the ambience of an indoor environment – and the well-being of those within it. Light levels and/or colors can be dynamically adjusted to individuals' needs, moods and preferences, enhancing the comfort and enjoyment of those using the space.

Enhancing lives

Philips' innovative stand-alone lighting controls are not only revolutionizing the way people manage and enjoy their working and living spaces, they are also helping to create smart and sustainable environments for future generations.

How do stand-alone lighting controls save energy?

There are several methods for saving energy. Depending on the lighting system, the application and the specific use of a building, a combination of methods can be used.

Occupancy control

One of the simplest yet most effective methods to save energy. A sensor detects occupancy and switches off the lights when an area is vacated. In large areas like open-plan offices, smart systems first dim the lights, thus increasing the energy savings. Savings of up to 30% (switch) and 40% (dim) can be achieved.

Daylight-dependent regulation (daylight harvesting)

Light levels are adjusted automatically, taking into account the natural sunlight entering the building. Light sensors measure the actual light levels in an area, dimming the artificial lighting when necessary. Savings can amount to 70% on individual luminaires and 30% in general.

Task tuning

Certain tasks, or people, require less light than others. The possibility to adjust the light level, either manually or automatically, can save large amounts of energy. For instance, in a school that is used by young people during the day and by adults in the evening.

Personal control

The power to adjust the lights easily to suit your needs not only provides comfort but saves energy as well.

Maintained light levels

Many lighting installations deliver (much) higher light levels than required. This is to ensure that sufficient light will still be produced when the lamps are approaching the end of their lifetime and the fittings are starting to get dirty. A light level sensor can reduce this excess light, dimming the lights to the exact level required, and delivering savings of up to 15% in the process.

Savings beyond lighting controls

Many lighting controls can function together with other building systems, such as sun blinds and HVAC. Occupancy sensors, for instance, can be used to control blinds and switch them from energy-saving to comfort mode. And less lighting means less heat, reducing the need for cooling by up to 10%.

Taking things one step further, some stand-alone controls can even be linked to a network or building management system, for instance to gather information on energy consumption or to measure actual savings.

ActiLume MicroLuxSense

Daylight harvesting made simple
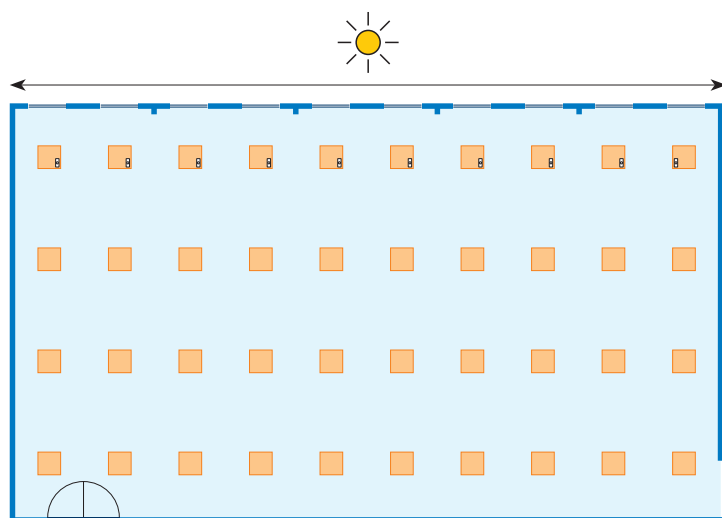
Typical ActiLume MicroLuxSense installation in an open-plan office

Businesses need to cut energy costs, but people feel and work better with comfortable lighting levels.
Luminaires fitted with ActiLume MicroLuxSense controls ensure a comfortable, constant level of illumination throughout the working day.

These controls also deliver substantial energy savings (between 25 and 50%) when installed near windows, where there is usually more natural daylight. Further energy savings can be made by maintaining the required light level during the lifetime of the system.

The ActiLume MicroLuxSense has the same form fit as the ActiLume DALI sensor with cover.

When to use
Actilume MicroLuxSense is integrated into a luminaire. It is typically used in offices, classrooms and general areas where there is considerable incident daylight, and works most efficiently on the window side.

Technical data

Technology	1-10V analog control
# controlled devices	Up to 20 Philips 1-10V drivers
Manual control	No
Occupancy control	No
Daylight control	Yes
IR receiver	No
Configuration / commissioning	Set light level by rotating the diaphragm ring.
Power supply	No
Mounting	In the reflector or rim or on the lamp.
Notes	When the lights are switched on, the system automatically regulates the light output based on the amount of incident natural light.

up to
50%
energy
saving

Product information

LRL1222/10 ActiLume MicroLuxSense

ActiLume MicroLuxSense is a Daylight Regulation option (DLR) for luminaires equipped with a Philips HF-R 1-10V ballast. The sensor measures the reflected light coming from the surface below. It dims down the lamp output when the light level exceeds the required light level defined by the light sensor set point. ActiLume MicroLuxSense can be installed in the luminaire either clicked between the optics or next to the optics.

For more information on accessories, see the Accessories section at the end of this document.

Ordering data

| Type	Description	12NC	EOC
LRL1222/10	ACTILUME MICROLUXSENSE	9137 003 46403	152392 00

ActiLume 1-10 V

A simple approach

Businesses need to cut energy costs, especially when there is nobody in the offices. In addition, people feel and work better with comfortable lighting levels.

The new ActiLume 1-10 V has been developed to achieve ambitious energy savings (up to 70%) by combining presence detection and natural daylight. In order to achieve maximum energy savings we recommend the ActiLume 1-10V sensor is installed in the luminaires near the windows, where there is usually more natural daylight.

The new ActiLume 1-10 V, in combination with the ActiLume 1-10V SwitchBox, can also allow manual control of the lights with a push-button (Touch and Dim functionality) and can switch off the luminaires when there is nobody in the room or when sufficient natural daylight becomes available to maintain the desired light level.
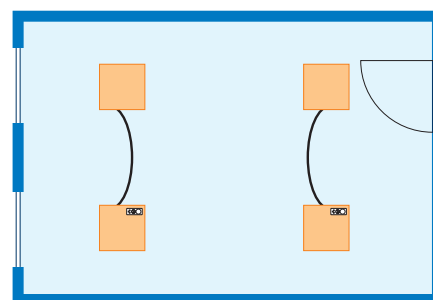
Typical ActiLume 1-10 V installation in a cell office

When to use

ActiLume 1-10 V is integrated into the luminaire. It is typically used in offices, classrooms and general areas where there is considerable incident natural light and/or in low-occupancy areas like corridors and toilets.

up to
70%
energy
saving

Technical data

Technology	1-10 V analog control
# controlled devices	Up to 20 Philips 1-10 V drivers (LRI1655 sensor only). The LLC1655 SwitchBox can switch 2 or 3 1-10 V drivers.
Manual control	Optional - wired (Touch and Dim) manual control with the LLC1655 SwitchBox
Occupancy control	Coverage area (h = 2.5 m) small movements 4x6 m, large movements 6x7.5 m
Daylight control	Yes
IR receiver	No
Configuration/commissioning	Set light level by rotating the diaphragm ring and using the soft-buttons on the front.
Power supply	120 - 277 V AC (for LLC1655)
Mounting	Built into the luminaire (max. height 3.5 m)
Notes	The LLC1655 is required in order to switch the lights off; otherwise manual control is needed.

Product information

LLC1655/00 ActiLume 1-10V SwitchBox

The ActiLume 1-10V system consists of a sensor and a SwitchBox.

The sensor can work independently of the SwitchBox.
In combination with the SwitchBox, the luminaire will be switched off
when enough daylight is present and/or no presence is detected.

LRI1655/00 ActiLume 1-10V sensor 100cm

The ActiLume 1-10V luminaire-based sensor enables daylight regulation
and dimming when it does not detect the presence of any people. The
delay time can be customized between 1 and 30 minutes.

**For more information on accessories, see the Accessories section at
the end of this document.**

Ordering data

Type	Description	12NC	EOC
LLC1655/00	ACTILUME 1-10V SWITCHBOX	9137 003 39603	953107 00
LRI1655/00	ACTILUME 1-10V SENSOR 100CM	9137 003 39503	942989 00

ActiLume DALI
The more economical approach to lighting control

ActiLume DALI is designed to fulfill the needs of those working in open-plan and cell offices, but can also be adjusted to suit other applications too. It combines automatic energy saving functions with easy-to-use manual controls.
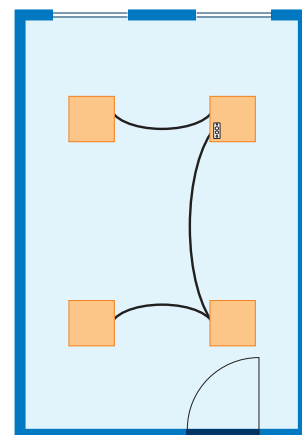
The presence and daylight functions allow savings of up to 50-75% on electricity, while push-button and infrared controls provide manual interaction. For optimal daylight harvesting savings two groups are used.

Installation is also easy; this ActiLume DALI has two outputs and therefore does not require the typical DALI commissioning procedure.

Two extension sensors can be used to enlarge the detection area.

When to use
The ActiLume DALI system is integrated into the luminaires. It is typically used in open plan offices, cell offices, class rooms, meeting rooms, reception areas and general areas where there is considerable incident natural light and/or in low-occupancy areas like corridors and toilets.

up to **75%** energy saving

Typical ActiLume DALI installation in a cell office

Technical data

Technology	DALI
# controlled devices	Up to 11 DALI drivers, maximum 2 extension sensors (LRM8118 or LRM8119); this reduces the maximum number of drivers to 9.
Manual control	Wired with Touch and Dim. Remote via IR (IRT8010, IRT8030 and/or IRT8050)
Occupancy control	Coverage area (h – 2.5 m) small movements: 4×5 m, large movements: 6×8 m. The coverage area can be enlarged by using up to 2 additional sensors (LRM8118 or LRM8119)
Daylight control	Yes
IR receiver	Yes
Configuration/commissioning	Using the IRT8099, 10 pre-configured modes of operation (office, open plan, corridor, meeting room…) or IRT8098
Power supply	220 - 240 V AC
Mounting	Built-in appliances (max. height 3.5 m)
Notes	The ActiLume DALI system has two outputs, one for the window side and one for the corridor side (offset in brightness is 30%). The additional sensors LRM8118 and LRM 8119 can be connected to either DALI output of the system and draw current as if they were a driver.

Product information

LRI1653/00 sensor

The sensor from the ActiLume DALI system. The ActiLume DALI system is a plug & play, DALI-based control system which fullfills the basic needs in offices with maximum energy saving options by means of daylight harvesting and presence detection.

LCC1653/00 controller

The controller from the ActiLume DALI system. The ActiLume DALI system is a plug & play DALI-based control system which fullfills the basic needs in offices with maximum energy saving options by means of daylight harvesting and presence detection.
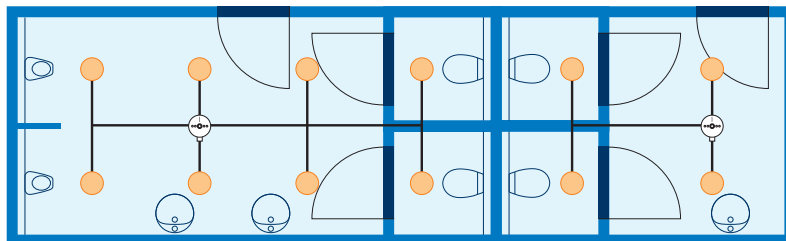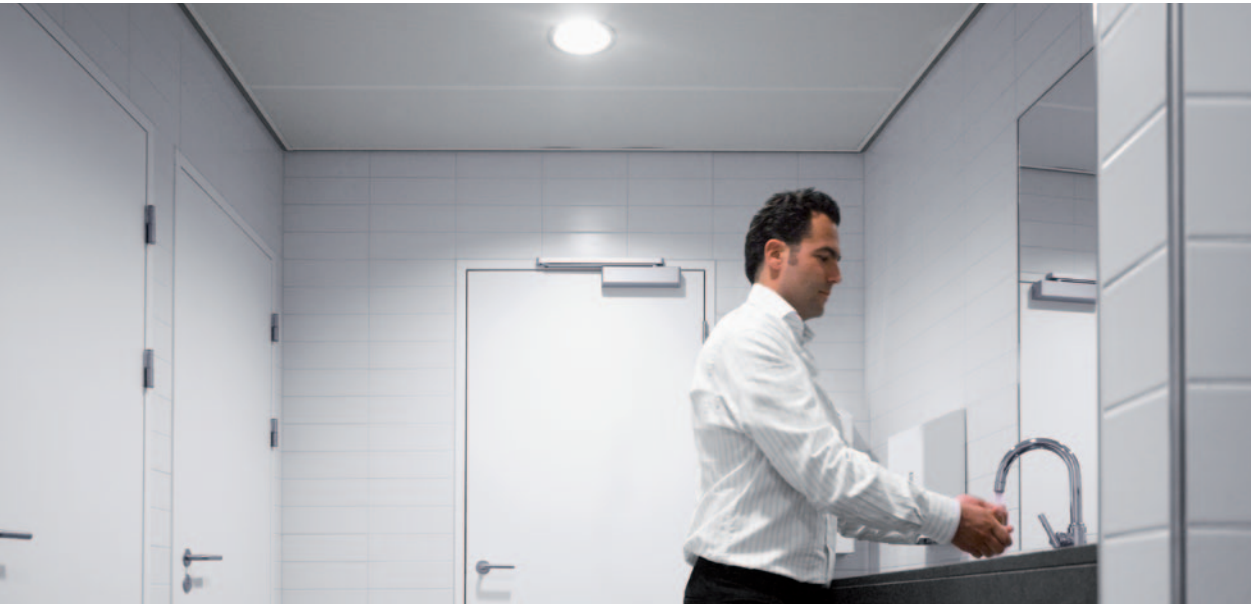
For more information on accessories, see the Accessories section at the end of this document.

Ordering data

Type	Description	12NC	EOC
LRI1653/00	ACTILUME SENSOR 100CM CORD	9137 006 13872	910462 30
LCC1653/01	ACTILUME CONTROLLER	9137 006 13772	910424 30

OccuSwitch

A smart move to reduce energy costs

up to **30%** energy saving

Typical OccuSwitch installation in toilets

Illuminating areas when nobody is present wastes energy, so Philips developed the OccuSwitch: a stand-alone movement detector that switches lights off when an area is vacated. This simple but effective switch generates energy savings of up to 30% in office buildings, schools and hospitals.

OccuSwitch is compatible with any type of luminaire or lamp, making it a versatile solution for spaces such as offices, storage areas, toilets and lobbies. It can even be used in groups to cover larger areas such as open-plan offices.
OccuSwitch is available in a basic version with daylight override and an advanced version with parallel operation and local override.

When to use
OccuSwitch is a system that is installed in the ceiling. It is typically used in offices, storage rooms and classrooms or low-occupancy areas like corridors and toilets.

Technical data

Technology	Mains switching
# controlled devices	Any type (switches main power) The OccuSwitch advanced (LRM1080) can be connected in parallel (max 10) to cover large areas like open-plan offices.
Manual control	Yes, only the OccuSwitch advanced (LRM1080) via IR remote (IRT8099/10)
Occupancy control	Area of coverage (h – 2.5 m) – small movements 4x5 m, large movements 6x8 m. Parallel operation with the LRM1080 (up to 10). Retractable shield to screen off areas, e.g. corridors that are adjacent to the area being controlled by the OccuSwitch.
Daylight control	Lights will automatically be switched off when sufficient daylight becomes available, and turned back on when the light level drops below the required level.
IR receiver	Only on the OccuSwitch advanced for local override
Configuration/commissioning	Manual on the unit: daylight override, timer. LRM1080: advanced programming via remote
Power supply	230 V AC
Mounting	For recessed or surface-mounting with dedicated accessory (LRH1070) Accessory cable for installation with Wieland connectors.

Product information

LRM1070/00 SENSR MOV DET ST

OccuSwitch basic version. LRM1070 is a movement detector with a built-in switch. The OccuSwitch can switch any load up to 6 A and control an office area of around 20 m².

LRM1080/00 SENSR MOV DET ST IR

OccuSwitch advanced version. Similar to the LRM1070 but with parallel operation connection (up to 10 OccuSwitch units), local override (using an IR remote) and absence mode.

LRH1070/00 SENSR SURFACE BOX

Ceiling box for surface mounting of all OccuSwitch types (LRM1070, LRM108x).

LCC1070/00 PIR T-CABLE 3P

Extension cable for Wieland connection (GST18) of the OccuSwitch (LRM1070, LRM108x).

For more information on accessories, see the Accessories section at the end of this document.
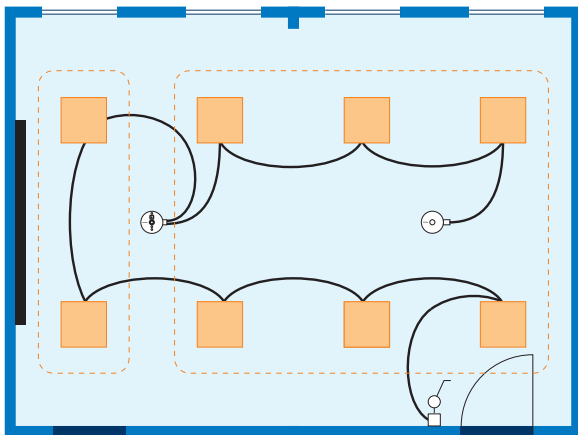
Ordering data

| Type	Description	12NC	EOC
LRM1070/00	SENSR MOV DET ST	9137 003 27803	731384 99
LRM1080/00	SENSR MOV DET ST IR	9137 003 27903	731407 99
LRH1070/00	SENSR SURFACE BOX	9137 003 28003	731438 99
LCC1070/00	PIR T-CABLE 3P	9137 003 30303	731773 99

OccuSwitch DALI

Simple solution for demanding installations

up to
75%
energy
saving

Typical OccuSwitch DALI installation in a classroom
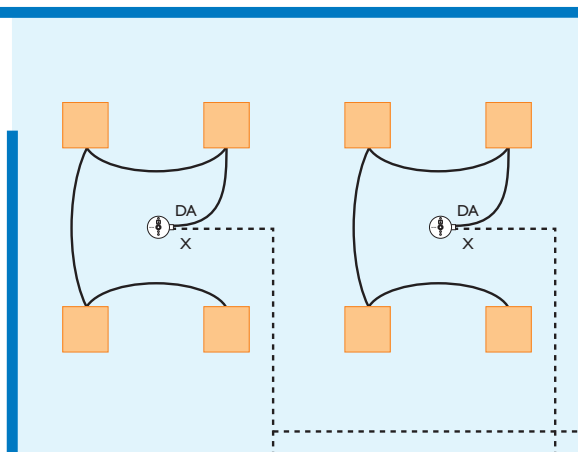
Typical OccuSwitch DALI installation in an open plan office

State-of-the-art lighting controls dramatically reduce energy costs while ensuring comfortable lighting levels wherever and whenever required. However, the technical challenges can often be more complex than initially expected. What's more, if people find the controls difficult to use, the return on investment will be much slower. That's why Philips developed OccuSwitch DALI: a best-in-class solution that is easy to install and use.

As a combined sensor and controller, it will dim and switch the lights in a room or area upon occupancy and according to the available daylight, with options for local override, parallel operation and network links to Building Management Systems (BMS). Savings of up to 75% (55% on average) can be achieved with functions such as daylight-dependent dimming, occupancy control and over-dimension correction. OccuSwitch DALI is designed for office areas of between 20 and 25 m^2 and classrooms of around 50 m^2, although the area can be doubled, or even tripled, using extension sensors. OccuSwitch DALI can control up to 15 luminaires.

When to use
OccuSwitch DALI is installed in the ceiling. It is typically used in offices, classrooms and general areas where there is considerable incident natural light and/or in low-occupancy areas like corridors.

Technical data

Technology	DALI
# controlled devices	Up to 15 dimming DALI gears, of which a maximum of 2 are extension sensors (LRM8118), LRM2080 can be connected in parallel (max. 22) to cover large areas like open-plan offices.
Manual control	Through-wired buttons (with interface LCU2070) or remote control (IRT8050/UID8510).
Occupancy control	Coverage area (h – 2.5 m) – small movements 4x5 m, large movements 6x8 m. Parallel operation with the LRM2080. Retractable shield to screen off areas like corridors
Daylight control	Yes
IR receiver	Yes
Configuration/commissioning	Selector on the module for manual setting of the delay time, switch-off button and auto-calibration of the reference light level. Programming of other parameters by remote control. 10 pre-configured modes of operation (office, open space, hall, meeting room ...).
Power supply	230 V AC
Mounting	For recessed or surface-mounting with dedicated accessory (LRH2070) Accessory cable for installation with Wieland connectors.
Notes	For optimal energy savings the window and corridor luminaires are controlled separately. Window-side lights will switch off – or not switch on (the daylight override function) – when sufficient daylight is available. The corridor side will, however, by default dim to minimum only. The additional sensors (LRM8118) and interface (LCU2070) connect to the same DALI output of the luminaire and draw current as if they were a driver. The LED on the OccuSwitch DALI to indicate movement or communication will change color according to the energy usage.

Product information

LRM2070/10 BASIC

OccuSwitch DALI unit in Basic version Two DALI outputs for window and corridor luminaires (without commissioning).

LRM2080/10 ADVANCED

Advanced version of the OccuSwitch DALI, Up to 22 units can be connected in parallel occupancy mode. Has one DALI output and requires commissioning for window and corridor operation.

LRM2090/10 BMS

OccuSwitch DALI with DALI interface to link into a building management system (BMS). Can be used with any DALI controller or gateway compliant to the DALI standard.
Has one DALI output and requires commissioning for window and corridor operation.

LCC2070/00 CABLE BASIC / LCC2080/00 CABLE ADV + BMS

Extension cable with Wieland connectors (GST18 and BST14) for OccuSwitch DALI basic LRM207x and advanced, DL & BMS (LRM208x 209x)

LCU2070/00 PBU / LCU2071/00 PBU OPT. 1

The LCU207x is connected to the DALI channel of the OccuSwitch DALI and requires no additional power. It connects up to 4 contacts for 3 functions (on/off/dim) for instance window/corridor or general/blackboard light control. Refer to the datasheet for the functions of the PBU in combination with the LRM2095.

LRH2070/00 SURFACE BOX

Ceiling box for surface mounting of the OccuSwitch DALI (LRM207x, LRM208x, LRM209x).

For more information on accessories, see the Accessories section at the end of this document.

Ordering data

Type	Description	12NC	EOC
LRM2070/10	OccuSwitch DALI Basic	9137 003 32904	732305 99
LRM2080/10	OccuSwitch DALI Advanced	9137 003 33004	732343 99
LRM2090/10	OccuSwitch DALI BMS	9137 003 33103	732367 99
LCC2070/00	OccuSwitch DALI Cable Basic	9137 003 33703	732480 99
LCC2080/00	OccuSwitch DALI Cable Advanced	9137 003 33803	732503 99
LCU2070/00	OccuSwitch DALI PBU	9137 003 35103	870268 00
LCU2071/00	OccuSwitch DALI PBU opt.1	9137 003 39303	870268 00
LRH2070/00	OccuSwitch DALI Surface Box	9137 003 33903	732527 99
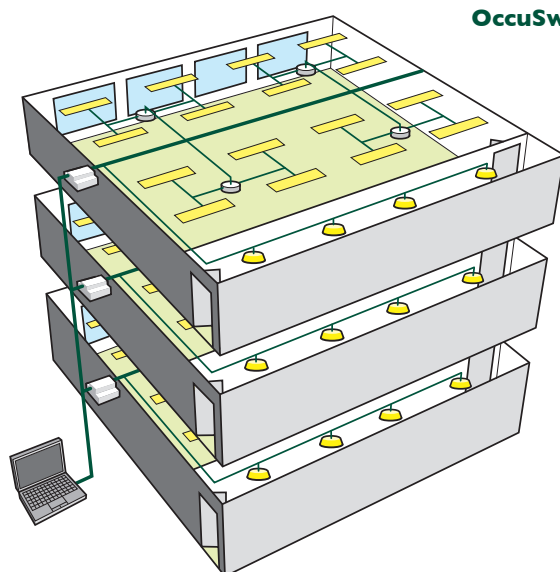
OccuSwitch DALI BMS

The BMS version of OccuSwitch DALI is an innovative solution for use in the field of building automation. While maintaining the characteristics of a plug & play system that works as a stand-alone, if necessary, this version can be handled by a central automation system, BMS (Building Management System). Functions like central on/off emergency state and status reports (lamp/driver broken, lights on/off) from OccuSwitch DALI to BMS are possible with the DALI protocol.

OccuSwitch Wireless

Switching on savings for existing installations

It makes good economic sense to specify energy-saving lighting controls in a new lighting installation. But what about existing lighting installations? Can they be upgraded with these devices? With the OccuSwitch Wireless family they can.

OccuSwitch Wireless consists of a wireless sensor and actuator (relay box) and is designed to save up to 30% energy consumption simply by turning the lights off in unoccupied areas.

OccuSwitch Wireless is designed for an area of between 20 and 25 m^2 but the area can be expanded to 160 m^2 by adding more sensors. It is possible to link up to 10 sensors and actuators per network, and because the sensor is wireless, installation and mounting onto the ceiling or any other location is quick and easy.

The actuator is connected to the mains wiring at any convenient point in the ceiling, and a detachable wiring connector enables easy installation. Separate Wieland and CEE cables are available for even easier, faster and trouble-free installation.

When to use

OccuSwitch Wireless is typically used in offices, classrooms and general areas where there is considerable incident natural daylight and/or in low-occupancy areas like corridors and toilets. Ideal for retrofit applications because no new wiring is needed.
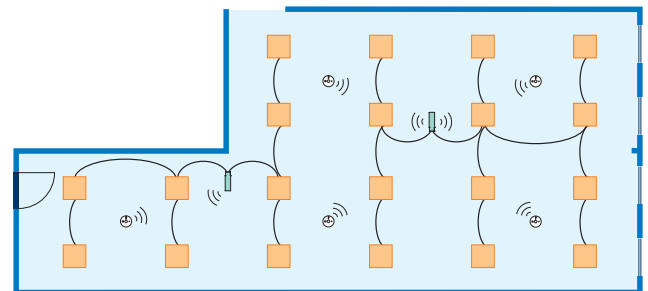
Typical OccuSwitch Wireless installation in an open-plan office

up to **30%** energy saving

Technical data

Technology	Mains switching
# controlled devices	Any type (switches main power)
	Max. 10 devices in one network
Manual control	No
Occupancy control	Coverage area (h – 2.5 m) – small movements 4x5 m, large movements 6x8 m.
	Retractable shield to screen off areas, e.g. corridors, adjacent to the area being controlled by the OccuSwitch.
Daylight control	Lights will automatically be switched off when sufficient daylight becomes available, and turned back on when the light level drops below the required level.
IR receiver	No
Configuration/commissioning	Manual on the wireless unit: daylight override, timer
Power supply	230 V AC
Mounting	Surface mounted

Product information

LRA1750/00 WIRELESS UNIVERSAL ACTUATOR

The actuator switches up to 6A and is connected to the mains wiring at a convenient place in the (corridor) ceiling. To be used in combination with the LRM1763 sensor.

LRM1763/00 WIRELESS MOVDET + DO

The LRM1763 sensor is designed for an area of 20 to 25 m^2, but the area can be expanded to 160 m^2 by adding additional sensors. To be used in combination with the LRA1750 actuator. Range to actuator up to 11 m.

LCC172x

Cable sets for OccuSwitch Wireless.
To be used when connectors or plugs are used in existing installation.
LCC1720 Wieland GST18
LCC1723 Normal (Schuko) plug/socket (CEE 7/4)
LCC1727 Normal (French) plug/socket (CEE 7/5)

Ordering data

Type	Description	12NC	EOC
LRA1750/00	WIRELESS UNIVERSAL ACTUATOR	9137 003 36103	905014 00
LRM1763/00	WIRELESS MOVDET + DO	9137 003 37103	898071 00
LCC1720/00	WIELAND CABLE	9137 003 37203	914009 00
LCC1723/00	ST PLUG CABLE MIDEUR	9137 003 37503	914023 00
LCC1727/00	ST PLUG E CABLE FRANCE	9137 003 39703	914047 00

ToBeTouched
Living color in professional applications

People working in busy offices, schools, shops, hospitality and healthcare environments don't have the time to work out how to operate the lighting. That's why Philips has taken the iconic design and user-friendliness of the very successful LivingColors color ring and developed the ToBeTouched range of intuitive user interfaces.

It brings the same style and ease of interaction that consumers already enjoy with LivingColors to professional lighting applications. ToBeTouched currently comprises four models, ranging from a simple on/off switch and a version with dimming to a cool/warm-white controller and a full-color model.

Assisting the user with light, sound and color feedback, these easy-to-install interfaces make operating a lighting system easy – and fun!

When to use
Depending on the type ToBeTouched can be used in a wide variety of applications, like hospitality, healthcare, retail, offices and classrooms.

Type	IR	DIM DALI	DMX
Technology	Infrared control	DALI	Compatible with the DMX512 standard UID8530 uses 2 DMX addresses (intensity & color or warm & cool) UID8540 uses 3 DMX addresses (RGB)
# controlled devices	Unlimited – max. distance ~7 m	Up to 18 DALI control gears	According to DMX512 specification – max. distance 300 m.
Manual control	Push-button for on / off, dim up / dim down, presets, blinds, HVAC and programming depending on the device it is controlling	Touch-sensitive user interface for manual control of the light intensity of the connected devices. Max 4 UIs in parallel.	Touch-sensitive user interface for manual control of color or color t emperature, saturation and intensity and for storing and recalling 2 scenes.
Occupancy control	No	Connect up to 2 presence detectors (LRM8118) to enable automatic switch-off when an area is vacated (fixed timeout 20 minutes)	No
Daylight control	No	No	No
IR receiver	No	No	No
Configuration/commissioning	Plug & play. Configuration is carried out using dip switches.	Plug & play, no need for configuration.	Plug & play, no need for configuration
Power supply	4 x AAA batteries	230 V AC	Power Over Ethernet (POE – UIA8550) not included
Mounting	Wall-mounted or handheld	Mounted in wall box	Mounted in wall box
Notes	7 different channels to avoid interference with other UIs. Three caps (I/0, on/off and blank) available.	Interface backlit touch-sensitive screen with audio feedback. Backlight activated by proximity sensor. Two caps (I/0 and on/off) available. Connect up to 4 UID8520 in parallel.	Interface backlit touch-sensitive screen with audio feedback. Backlight activated by proximity sensor. Two caps (I/0 and on/off) available. The illuminated ring shows possible color settings.

Product information

UID8510 TOBETOUCHED IR

The UID8510 IR user interface panel provides intuitive on/off and dimming functionality for lighting control systems via the infrared RC5 protocol.

UID8520 TOBETOUCHED DIM DALI

The UID8520 DIM DALI offers a simple on/off as well as dimming functionality by means of the DALI protocol.

UID8530 TOBETOUCHED CT DMX

The UID8530 user interface panel is designed for intuitive control of color temperature variation on DMX lighting systems. Direct access to a specific color point is provided via a backlit, touch sensitive ring.

UID8540 TOBETOUCHED COLOR DMX

The UID8540 user interface panel is designed for intuitive control of full RGB color variation on DMX lighting systems. Direct access to a specific color point is provided via a backlit, touch sensitive, RGB color selection ring. In the Dynamic modes it is possible to visualize the variety of colors or morphing between two colors.

UIA8550 TOBETOUCHED PSU

Power supply for use with the UID8530 CT DMX and UID8540 COLOR DMX.
The functionality depends on the product with which it is used.

Ordering data

Type	Description	12NC	EOC
UID8510/00	ToBeTouched UI IR	9137 003 35203	873467 00
UID8520/00	ToBeTouched UI DIM DALI	9137 003 35303	873481 00
UID8530/00	ToBeTouched UI CT DMX	9137 003 35403	873504 00
UID8540/00	ToBeTouched UI Color DMX	9137 003 35503	873528 00
UIA8550/00	ToBeTouched PSU	9137 003 38603	886832 00

Accessories
Completing your system

LCA8000/00 Cover ActiLume DALI
Cover for the ActiLume DALI sensor to obtain same outer dimensions as the ActiLume MicroLuxSense.

ActiLume DALI sensor

LCA8001/00 Ring for Cover ActiLume
Ring around the cover of the ActiLume sensors to fit in the micro-optics of a luminaire.

ActiLume sensors

LCA8002/00 / LCA8003/00 ActiLume clip TL5 / TL-D
For easy mounting of a sensor to a lamp a metal clip is available which can be used for all sensors of the ActiLume family.

ActiLume sensors

LCA8004/00 Cover ActiLume extension sensor
Cover for the ActiLume luminaire based extension sensor (LRM8119) to obtain the same outer dimensions as the ActiLume MicroLuxSense and the ActiLume 1-10V sensor.

ActiLume luminaire based extension sensor

LCA8005/00 ActiLume mounting clip
Ring around the cover of ActiLume sensors, for easy mounting e.g. into the infill panel of a luminaire.

ActiLume Sensors

LRM8118/00 Extension sensor
Compact movement detector to be used to expand the detection area for ActiLume DALI and OccuSwitch DALI solutions. The sensor is connected to the DALI line from the controller (luminaire) and does not require external power. Mounting height is between 2.5 and 3.5m

ActiLume DALI
OccuSwitch DALI

LRM8119/00 ActiLume movement extension sensor, luminaire based
Compact luminaire based movement detector to be used to expand the detection area for ActiLume DALI and OccuSwitch DALI solutions. Mounting height is between 2.5 and 3.5 m.

ActiLume DALI
OccuSwitch DALI

IRT8010/00 Hand-held two-key transmitter

Hand-held two-key transmitter, for infrared control of various lighting control systems. The lights can also be dimmed by pressing one of the buttons for more than 0.5 seconds. The unit is supplied with batteries. A wall holder is separately available. This transmitter is not designed to be operated from the wall holder.
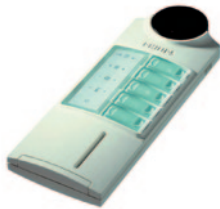
ActiLume DALI
OccuSwitch
OccuSwitch DALI

LRH8010/00 Wall holder

Wall holder for the IRT8010/00 hand-held two-key transmitter.

IRT8010

IRT8030/00 Four-preset hand-held transmitter

Four-preset hand-held transmitter, suitable for infrared control. It has 4 keys for presets and one key for "all off". Keys for individual control and preset programming are located under a hinged cover at the bottom of the transmitter. The unit is supplied complete with wall holder and batteries.

ActiLume DALI
OccuSwitch DALI

IRT8050/00 Two-key infrared remote control

Two-key infrared remote control transmitter for wall mounting and table-top use. The actual function of the two large keys can be selected with a dip switch in the battery compartment. A dip switch is also used to select the group address. Batteries are included.

ActiLume DALI
OccuSwitch
OccuSwitch DALI

IRT8097/00 Omniprog easy

Simplified commissioning tool for OccuSwitch DALI, for light level calibration, window/corridor programming and installation test.

OccuSwitch DALI

IRT8098/00 Simple mode selection tool

Simple mode selection tool for ActiLume DALI (mode 1 and mode 2 selection). Light set point calibrator, easy to use. Batteries are included.

ActiLume DALI

IRT8099/10 Advanced mode selection tool

Easy to use and inexpensive commissioning tool to adjust the functionality, perform an installation test and/or calibrate light levels. The functionality is depending on the product it is used with. Batteries are included.

ActiLume DALI
OccuSwitch
OccuSwitch DALI

Accessories

Ordering data

Type	Description	12NC	EOC
LCA8000/00	COVER ACTILUME SET OF 100PCE	9137 003 38403	882803 00
LCA8001/00	RING FOR COVER SET OF 100PCE	9137 003 38303	882780 00
LCA8002/00	ACTIILUME CLIP TL5 SET 50pce	9137 003 40803	952940 00
LCA8003/00	ActiLume clip TL-D set 50pce	9137 003 40903	952988 00
LCA8004/00	Cover ActiLume extension sensor	9137 003 43803	139386 00
LCA8005/00	ActiLume Mounting Clip 50pce	9137 003 48803	196242 00
LRM8118/00	ActiLume Extension sensor	9137 003 24703	730783 99
LRM8119/00	Luminaire Based extension sensor	9137 003 43703	139461 00
IRT8010/00	Hand-held two-key transmitter	9137 003 14203	517490 00
LRH8010/00	Wall holder	9137 003 16303	517971 99
IRT8030/00	Hand- / Wall transmitter	9137 003 14403	538185 00
IRT8050/00	Two-key wall transmitter	9137 003 10703	517070 00
IRT8097/00	OmniProg Easy	9137 003 34103	891409 00
IRT8099/10	OmniProg Standard	9137 003 34203	732565 99